

SUBJECT: Drag Brace Weld Clearance Inspection

APPLICATION: All Glasair III aircraft prior to kit number 3295.

DESCRIPTION: Some Glasair III nose gear drag braces (363-5410-101) may have been fabricated without proper clearance bevels. The bevels provide clearance between the aft edges of the drag brace arms and the welds on the drag brace attach brackets, as shown in FIGURE (1). Improper clearance can cause additional friction during gear operation and may effect proper retraction or extension of the nose gear.

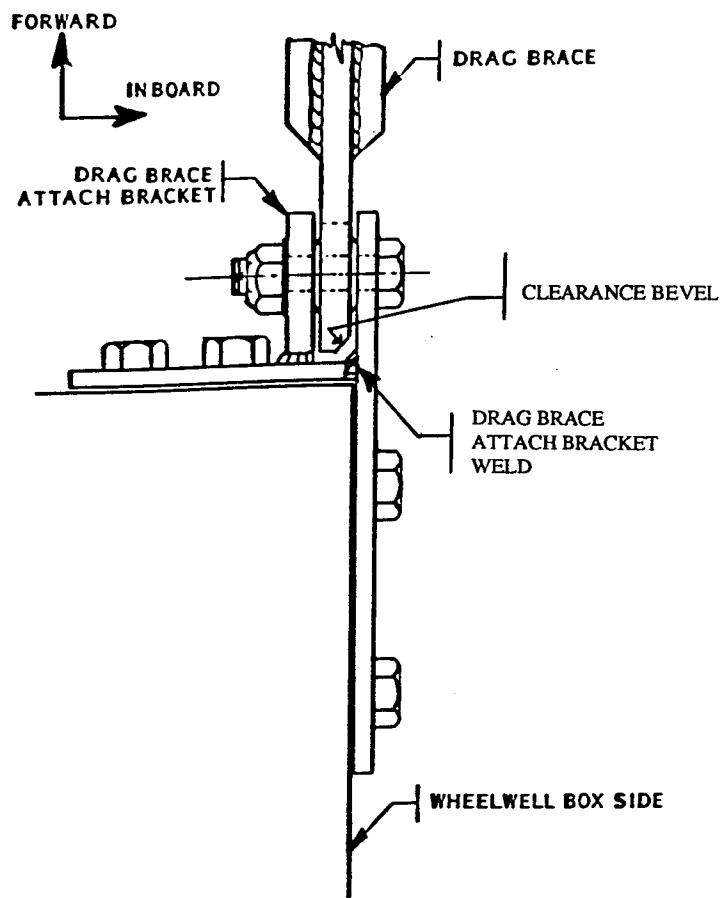


FIGURE (1)


© **STODDARD-HAMILTON**
AIRCRAFT, INCORPORATED

MODEL	ASSEMBLY NAME	REVISION	DATE	VOLUME	PAGE
GLASAIR III	SERVICE BULLETIN 129		1/10/95		1 of 2

REQUIRED ACTION: A one-time inspection is required to verify that the drag brace incorporates the bevels. The inspection is easily done even if the drag brace has been installed on the airplane. Visually confirm that the aft edge of the drag brace has a minimum of 1/16" clearance from the weld, as shown in FIGURE (1), throughout the entire range of travel of the drag brace.

MODIFICATION PROCEDURE (if required):

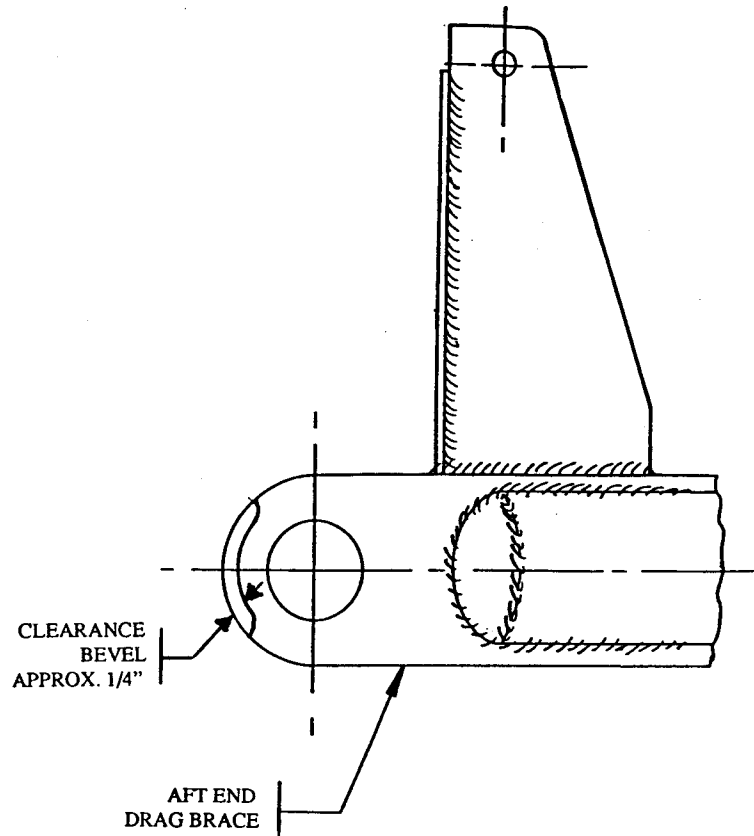


FIGURE (2)

The drag brace must be removed from the aircraft and bevels trimmed onto its aft ends, as shown in FIGURE (2). This will require jacking the aircraft. The bevel can be cut using a file or a disc sander. Use a fine tooth file to smooth out the bevel after proper clearance has been achieved. Prime the exposed bare metal with an epoxy primer and touch it up with a white paint if desired.

Reinstall the drag brace and verify that the bevel provides adequate clearance from the weld.


 © **STODDARD-HAMILTON**
 AIRCRAFT, INCORPORATED

MODEL GLASAIR III	ASSEMBLY NAME SERVICE BULLETIN 129	REVISION	DATE 1/10/95	VOLUME	PAGE 2 of 2
----------------------	---------------------------------------	----------	-----------------	--------	----------------